





## PERSONAL INFORMATION

## Ožbolt Menegatti

 Goriška cesta 39, 5282 Cerkno, Slovenia  
 +386 40 383 138  [ozbolt.menegatti@gmail.com](mailto:ozbolt.menegatti@gmail.com)  
 [www.ozbo.lt](http://www.ozbo.lt)  
Gender Male | Nationality Slovenian



## WORK EXPERIENCE

October 2018 – now

## Software development and maintenance

Center za jezikovne vire in tehnologije  
University of Ljubljana, Slovenia

- Helped in development of cloud dictionary creating and editing tool *Lexonomy.eu*.
- Developing tools for manipulating large amounts of data in XML TEI and CoNLL-U formats.
- Server administration.
- Porting and fixing of Windows applications for Linux.

December 2018

## Multimedia center for music school

Glasbena šola Idrija  
Prelovčeva 9, 5280 Idrija, Slovenia

- Developed an application for viewing PDF slide shows, playing of music and live concert viewing on TV screen.
- Management using HTTP web server based on Flask library.
- Hardware designed around Raspberry Pi platform.
- Live streaming of video and audio using FFmpeg and VLC.

August 2015 – September 2018

## Software Engineer

Guardiaris d.o.o.  
Podjunska ulica 13, 1000 Ljubljana (Slovenia)

- Maintenance and improvement of legacy C++/Qt3 air traffic radar view system Albatross for Slovenian's air traffic control (KZPS).
- Development of camera pose estimation system based on OpenCV and RaspberryPy.
- Work on human skeleton detection system using convolutional neural networks.
- Developed other support tools, such as an embedded neural network library, camera calibration application and C++ ASN1c wrapper.
- Assistance with the switch of version control systems from subversion to git.

February 2012 – January 2013

## Teaching instructor

Go-tel d.o.o.  
Jadranska 27, 2000 Maribor (Slovenia)

Teaching instructor for high school and university students. Teaching mostly programming languages and other computer knowledge, but also electrical engineering, mathematics and physics.

## EDUCATION AND TRAINING

2012 – 2014

## Bachelor of Science in Computer Science

Faculty of Computer and Information Science, University of Ljubljana, Slovenia  
completed with an average grade of 8.9/10

## 2015 – Master of Science in Computer Science

Faculty of Computer and Information Science, University of Ljubljana, Slovenia

completed 100 % of exams with an average grade of 9.0/10, on schedule to finish in 2019

### PERSONAL SKILLS

Mother tongue Slovenian

#### Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
Common European Framework of Reference (CEF) level

#### Communication skills and competences

- team work: I have successfully worked in a team of programmers, electrical and mechanical engineers to deliver a finished product;
- teaching skills: I work with colleagues and students as an instructor and a mentor;
- organizational skills: enrolled in multiple sporting groups and events, mostly running and football,
- freelance programming: a self employed programmer since October 2018.

#### Programming skills

- dynamic languages: Python3, Octave/Matlab, Lua, Bash, also have experience in working with Javascript, CoffeeScript, Elm, Racket and Julia;
- static languages: C++, Rust, C, also have experience in working with Java, C#, D and Go;
- other domain specific languages: VHDL, SQL, Xpath, XSLT, XSD;
- computer vision library OpenCV, use of image processing, camera calibration and 3D reconstruction, pose estimation and marker recognition;
- machine learning using sklearn for different clustering, regression and classification algorithms and Pytorch for deep learning;
- Qt, PyQt, Fltk and Html/CSS for graphical interfaces;
- GNU, LLVM and Cargo build toolchains;
- Cython, Pypy and Pybind11 for Python performance improvements;
- STM32 arm embedded devices running FreeRTOS;
- RaspberryPy computing platform.

#### Other Technical skills

- finished 95% of Bachelor program in Electrical Engineering in University of Ljubljana,
- attended a Cryptography 1 class on coursera.org,
- extensive experience with Linux OS,
- Git and Mercurial version control systems,
- KiCAD electronics design software,
- Gimp (image editing), Kdenlive (video editing) and FFmpeg/VLC (video and audio capture, conversion, streaming),

#### Other skills

Enjoy all sports particularly running, bicycling, swimming, football and basketball. My hobbies also include a guitar and a chess board.

Driving licence AM, B1, B, G